FAKHRI RASYID SAPUTRO

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Salatiga, Central Java, Indonesia

SUMMARY

Mobile developer with 3+ years delivering Android/iOS apps and SDKs for government, industrial, and enterprise teams. I ship reliable, scalable features with Kotlin/Compose, Java, SwiftUI, and Flutter, grounded in SOLID, Clean Architecture, CI, and automated tests. Comfortable with clinical device integrations. Clear communicator who mentors and partners with product/design to ship results.

EDUCATION

Informatics Engineering   *2021 - 2025, Indonesia*
Universitas Dian Nuswantoro (GPA 3.83)

- Undergraduate Thesis: Development of an Android-Based QR Code Attendance Application with AES Encryption and Device Binding to Prevent Fraud.

WORK EXPERIENCE

Mobile Developer   *January 2025 - Present, Singapore*
Fischer's Medical Ventures

- Developed production-grade Android applications that integrated with medical hardware using USB and Bluetooth Low Energy (BLE), enabling real-time device communication and control.
- Led technical research initiatives into BLE protocols, video conferencing SDKs, and on-device machine learning models (TensorFlow Lite) for real-time diagnostics and embedded AI use cases.
- Collaborated with cross-functional teams including firmware engineers and backend developers to deliver high-reliability Android apps for medical use.

Android Engineer Intern   *February 2024 - June 2024, Indonesia*
Traveloka (Travel Activities Department)

- Refactored legacy modules and fixed bugs in the Traveloka Android app (50M+ downloads), improving responsiveness across device tiers and strengthening release stability.
- Implemented new features end-to-end using Clean MVVM and MVP architecture. Wrote unit/UI tests across Kotlin and Java, lifting coverage to 70%+ and reducing regressions during releases.
- Researched and proposed integration strategies for Jetpack Compose and modern Android libraries to improve developer efficiency and UI responsiveness.

Mobile Developer   *January 2022 - January 2024, Indonesia*
Freelanxx.it

- Designed, developed, and deployed cross-platform mobile applications using Kotlin, Java, and Flutter for diverse clients across education and retail sectors.
- Built RESTful API backends using Node.js and Laravel to support mobile features such as authentication, real-time updates, and secure data storage.
- Led agile-based development sprints, coordinated with teams, and maintained version control using GitHub and GitLab CI/CD pipelines.

Mobile Developer Intern   *May 2023 - June 2023, Indonesia*
Schoters (Project Based Internship)

- Built and maintained Android application features using Kotlin, integrated Firebase services including Realtime Database and Crashlytics.
- Practiced version control (Git) as part of a remote internship program simulating real-world development environments.

LEADERSHIP EXPERIENCE

Google Developer Student Club UDINUS (GDSC Udinus)   *August 2023 - July 2024*
- **Head of Event Core Team:** Effectively lead, organize, and manage events for UDINUS Google Developer Students Club, including workshops and technology-focused bootcamps.
- **Android Development Speaker:** Delivered Jetpack Compose workshops, live-coded UI, state, Navigation, coroutines/Flow, and Material 3. Created hands-on labs and sample repos.

Dinus Open-Source Community (DOSCOM)   *August 2022 - July 2024*
- **Head of Human Resource Field:** Actively lead and manage the Programming, Multimedia, and Network divisions, overseeing training and fostering knowledge-sharing through mentoring.
- **Android Development Mentor Lead:** Trained mentors and taught students in Kotlin, OOP, and Android app basics. Ran workshops at SMKN 9 Semarang, SMK Palapa, and SMK Nurul Barqi.

CERTIFICATIONS

Meta Android Developer Professional Certificate *(Go to Certificate)*   *Meta, 2025*
React Native *(Go to Certificate)*   *Meta, 2025*
Traveloka Internship Certificate *(Go to Certificate)*   *Traveloka, 2024*
Google Developer Students Club Core Team *(Go to Certificate)*   *GDSC, 2024*
Schoters Mobile Apps Developer Internship *(Go to Certificate)*   *Schoters, 2022*

SKILLS

- **Programming Languages:** Kotlin, Java, Swift, Dart, Typescript, JavaScript, PHP, Python.
- **Frameworks:** Jetpack Compose, KMP, SwiftUI, Flutter, Vue, React Native, Laravel.
- **Mobile Development Needs:** MVVM, MVP, TDD, OOP, Modularization, Reactive Programming, Dependency Injection, CI/CD, Jenkins, Firebase.

PROJECTS

Digihealth Kiosk ATM (Java)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-digihealth-kiosk

Stethoscope (Flutter)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-stethoscope

X-Ray (Kotlin)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-xray

Patient Health Companion (Flutter)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-patient-health-companion

Traveloka Xperience (Ticket Detail) Project
Traveloka • https://www.fakhrirasyids.me/projects/teddy-project

Traveloka Xperience (Ticket Detail V2) Project
Traveloka • https://www.fakhrirasyids.me/projects/tweety-project

Traveloka Cruise (LP-SR) Project
Traveloka • https://www.fakhrirasyids.me/projects/lp-sr-cruise-project

Leech (Android SDK)
Open-Source Project • https://www.fakhrirasyids.me/projects/leech-android-library

Highlightor (Android SDK)

Open-Source Project • https://www.fakhrirasyids.me/projects/highlightor-android-library

Floating Menu (iOS SDK)

Open-Source Project • https://www.fakhrirasyids.me/projects/floating-menu-ios-package

Space Attack (Kotlin Multiplatform, Jetpack Compose, SwiftUI)

Personal Project • https://www.fakhrirasyids.me/projects/space-attack-kmp-swiftui

Stasave (Jetpack Compose)

Personal Project • https://www.fakhrirasyids.me/projects/stasave-jetpack-compose

BeritaIn (SwiftUI)

Personal Project • https://www.fakhrirasyids.me/projects/beritain-swiftui

Traffic Sense (Kotlin)

Personal Project • https://www.fakhrirasyids.me/projects/traffic-sense-kotlin

Ndoro Kojo Livestock Application (Kotlin)

Pemerintah Kabupaten Semarang • https://www.fakhrirasyids.me/projects/ndoro-kojo-kotlin

Jukee (Java)

Freelanxx.it • https://www.fakhrirasyids.me/projects/jukee-java

Beataco (Java Swing)

Personal Project • https://www.fakhrirasyids.me/projects/beataco-java-swing

My Heavy Equipment (Kotlin)

Freelanxx.it • https://www.fakhrirasyids.me/projects/my-heavy-equipment-kotlin

EcoQuest (Kotlin)

Freelanxx.it • https://www.fakhrirasyids.me/projects/ecoquest-kotlin

Berita.in (Kotlin)

Personal Project • https://www.fakhrirasyids.me/projects/berita-in-kotlin

Examine (Kotlin)

Undergraduate Thesis Project • https://www.fakhrirasyids.me/projects/examine-kotlin

Sakuku (Kotlin)

Freelanxx.it • https://www.fakhrirasyids.me/projects/sakuku-kotlin

BankIT (Java)

Freelanxx.it • https://www.fakhrirasyids.me/projects/bankit-java

Hangman (Java)

Freelanxx.it • https://www.fakhrirasyids.me/projects/hangman-java

Laundry (Jetpack Compose)

Freelanxx.it • https://www.fakhrirasyids.me/projects/laundry-jetpack-compose

PicDF (Jetpack Compose)

Freelanxx.it • https://www.fakhrirasyids.me/projects/picdf-jetpack-compose

Aromaloka (Kotlin)

Freelanxx.it • https://www.fakhrirasyids.me/projects/aromaloka-kotlin-slicing

Gamography (SwiftUI)

Personal Project • https://www.fakhrirasyids.me/projects/gamography-swiftui

Capstone App (Kotlin)

Freelanxx.it • https://www.fakhrirasyids.me/projects/capstone-app-kotlin-slicing